

IDS (Citation) by Applicant (12 References) (2 pages)
Copies of cited references
Supplemental Information Disclosure Statement



8-22-05

W 2661

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Dated: August 19, 2005

Signature:

Laurie Brown
(Laurie Brown)

Docket No.: 49056(71974)
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Peter Monsen

Application No.: 09/980,416

Confirmation No.: 2934

Filed: February 4, 2002

Art Unit: 2661

For: **MULTIPLE ACCESS TECHNIQUE FOR
MULTIBEAM DIGITAL RADIO SYSTEMS**

Examiner: Not Yet Assigned

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (IDS)

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

Applicant has not submitted copies of each cited U.S. patent and U.S. patent application as required by 37 CFR 1.98(a)(2)(i), amended October 2004, as the U.S. Patent and Trademark Office has waived this requirement for all U.S. patent applications. Applicant submits herewith copies of foreign and non-patents in accordance with 37 CFR 1.98(a)(2).

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper

hereafter filed in this application by this firm) to our Deposit Account No. 04-1105, under Order No. 49056(71974). A duplicate copy of this paper is enclosed.

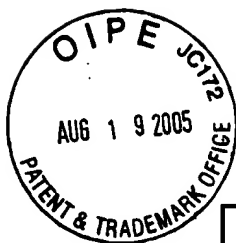
Dated: August 19, 2005

Respectfully submitted,

By 

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PTO/SB/08a/b (07-05)

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Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	09/980,416-Conf. #2934
				Filing Date	February 4, 2002
				First Named Inventor	Peter Monsen
				Art Unit	2661
				Examiner Name	Not Yet Assigned
Sheet	1	of	2	Attorney Docket Number	49056(71974)

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			

FOREIGN PATENT DOCUMENTS						
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NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²	
	CA	"An Algorithm For Reducing the Bandwidth and Profile of a Sparse Matrix", N.E. Gibbs, W.G. Poole, Jr., and P.K. Stockmeyer, Siam J. Numer. Anal., Vol. 13, No. 2, April 1976, pp. 236-250.		
	CB	"Blind Adaptive Multiuser Detection", M. Honig, U. Madhow, and S. Verdu, IEEE Transactions on Information Theory, Vol. 41, No. 4, July 1995, pp. 944-960.		
	CC	"Minimum Probability of Error for Asynchronous Gaussian Multiple-Access Channels", S. Verdu, IEEE Transactions on Information Theory, Vol. IT-32, No. 1, January 1986, pp. 85-96.		
	CD	"Decision Feedback Equalization for CDMA in Indoor Wireless Communications", M. Abdulrahman, A.U.H. Sheikh, and D.D. Falconer, IEEE Journal on Selected Areas in Communications, Vol. 12, No. 3, May 1994, pp. 698-706		
	CE	"Performance Analysis of Minimum Variance CDMA Receivers", M.K. Tsatsanis and Z. Xu, IEEE Transactions on Signal Processing, Vol. 46, No. 11, November 1998, pp. 3014-3022.		
	CF	"Blind Multiuser Detection: A Subspace Approach", X. Wang and H.V. Poor, IEEE Transactions on Information Theory, Vol. 44, No. 2, March 1998, pp. 677-690.		
	CG	"Adaptive Receiver Structures for Asynchronous CDMA Systems", P.B. Rapajic and B.S. Vucetic, IEEE Journal of Selected Areas in Communications, Vol. 12, No. 4, May 1994, pp. 685-697.		
	CH	"Channel Equalization for Block Transmission Systems", G.K. Kaleh, IEEE Journal on Selected Areas in Communications, Vol. 13, No. 1, January 1995, pp. 110-121.		
	CI	"On Multipath Channel Estimation for CDMA Systems Using Multiple Sensors," Sengupta et al., IEEE Transactions on Communications, Vol. 49, No. 3, March 2001, pp. 543-553.		
	CJ	"Adaptive Space-Time Feedforward/Feedback Detection for High Data Rate CDMA in Frequency-Selective Fading," J. Smee and S.C. Schwartz, IEEE Transactions on Communications, Vol. 49, No. 2, February 2001, pp. 317-328.		
	CK	"Tracking of Time-Varying Mobile Radio Channels--Part I: The Wiener LMS Algorithm," L. Lindborn, M. Sternad, and A. Ahlen., IEEE Transactions on Communications, Vol. 49, No. 12, December 2001, pp. 2207-2217.		
	CL	"Block Channel Equalization in the Presence of a Cochannel Interferent Signal," A. Ginesi, G.M. Vitetta, and D.D. Falconer, IEEE Journal on Selected Areas in Communications, Vol. 17,		

Examiner Signature		Date Considered	
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Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
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				Filing Date	February 4, 2002
				First Named Inventor	Peter Monsen
				Art Unit	2661
				Examiner Name	Not Yet Assigned
Sheet	2	of	2	Attorney Docket Number	49056(71974)

	No. 11, November 1999, pp. 1853-1862.	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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